

TABLE 2-4

Employed college graduates, by minor occupation and major field of highest degree: 2019

(Number)

Occupation	Total	S&E fields						S&E-related fields	Non-S&E fields
		Total	Biological, agricultural, and environmental life sciences	Computer and mathematical sciences	Physical and related sciences	Social and related sciences	Engineering		
All college graduates	50,524,000	15,362,000	2,437,000	2,837,000	889,000	5,474,000	3,725,000	7,429,000	27,734,000
S&E occupations	7,466,000	5,709,000	705,000	1,670,000	422,000	754,000	2,159,000	428,000	1,330,000
Biological, agricultural, and other life scientists	698,000	579,000	488,000	4,000	47,000	18,000	22,000	77,000	43,000
Agricultural and food scientists	58,000	53,000	47,000	D	S	S	1,000	S	4,000
Biological and medical scientists	500,000	404,000	328,000	4,000	42,000	11,000	19,000	67,000	29,000
Environmental life scientists	39,000	32,000	31,000	D	*	1,000	D	D	6,000
Postsecondary teachers - life and related sciences	101,000	90,000	82,000	D	2,000	4,000	1,000	8,000	4,000
Computer and mathematical scientists	3,774,000	2,642,000	94,000	1,584,000	79,000	258,000	628,000	186,000	946,000
Computer and information scientists	3,379,000	2,393,000	80,000	1,429,000	66,000	218,000	600,000	153,000	833,000
Mathematical scientists	284,000	164,000	13,000	76,000	12,000	39,000	24,000	20,000	100,000
Postsecondary teachers - computer and math sciences	111,000	85,000	2,000	78,000	S	S	3,000	13,000	13,000
Physical and related scientists	409,000	374,000	87,000	4,000	246,000	8,000	28,000	S	18,000
Chemists, except biochemists	132,000	117,000	31,000	S	78,000	D	7,000	S	5,000
Earth, atmospheric, and ocean scientists	85,000	80,000	7,000	1,000	65,000	2,000	6,000	D	4,000
Physicists	45,000	45,000	*	*	38,000	D	6,000	1,000	D
Other physical and related scientists, including astronomers	67,000	59,000	30,000	S	17,000	5,000	6,000	2,000	6,000
Postsecondary teachers - physical and related sciences	80,000	73,000	19,000	D	49,000	D	3,000	3,000	4,000
Social and related scientists	663,000	477,000	17,000	6,000	1,000	448,000	5,000	44,000	142,000
Economists	56,000	46,000	1,000	2,000	D	43,000	*	2,000	8,000
Political scientists	22,000	11,000	D	D	D	11,000	D	D	8,000
Psychologists	228,000	188,000	S	D	D	182,000	D	8,000	32,000
Anthropologists	16,000	15,000	D	D	D	15,000	D	D	*

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		Total	Biological, agricultural, and environmental life sciences	Computer and mathematical sciences	Physical and related sciences	Social and related sciences	Engineering		
Other social and related scientists	142,000	78,000	7,000	3,000	S	63,000	4,000	28,000	36,000
Postsecondary teachers - social and related sciences	200,000	139,000	4,000	1,000	D	134,000	D	3,000	58,000
Engineers	1,921,000	1,637,000	19,000	71,000	49,000	22,000	1,477,000	103,000	180,000
Aerospace, aeronautical, and astronautical engineers	126,000	112,000	D	3,000	5,000	D	104,000	4,000	10,000
Chemical engineers	84,000	73,000	1,000	*	2,000	D	69,000	4,000	7,000
Civil, architectural, and sanitary engineers	294,000	271,000	2,000	1,000	S	1,000	262,000	9,000	14,000
Electrical and computer hardware engineers	412,000	371,000	S	33,000	9,000	S	327,000	18,000	23,000
Industrial engineers	95,000	59,000	S	5,000	2,000	D	46,000	15,000	21,000
Mechanical engineers	377,000	325,000	2,000	4,000	1,000	1,000	316,000	25,000	27,000
Other engineers	472,000	374,000	9,000	21,000	22,000	15,000	308,000	27,000	71,000
Postsecondary teachers - engineering	61,000	52,000	D	4,000	2,000	D	45,000	2,000	7,000
S&E-related occupations	8,893,000	2,131,000	660,000	366,000	176,000	367,000	562,000	5,309,000	1,453,000
Health-related occupations	5,728,000	696,000	389,000	27,000	52,000	211,000	17,000	4,479,000	553,000
S&E managers	999,000	517,000	68,000	106,000	37,000	57,000	249,000	260,000	221,000
S&E precollege teachers	925,000	237,000	72,000	74,000	30,000	48,000	13,000	240,000	448,000
S&E technicians and technologists	973,000	635,000	129,000	132,000	54,000	48,000	272,000	133,000	204,000
Other S&E-related occupations	270,000	46,000	2,000	27,000	3,000	4,000	10,000	196,000	27,000
Non-S&E occupations	34,165,000	7,522,000	1,072,000	801,000	291,000	4,352,000	1,004,000	1,692,000	24,951,000
Non-S&E managers	4,627,000	1,205,000	162,000	161,000	56,000	509,000	317,000	271,000	3,151,000
Management-related occupations	6,830,000	1,717,000	236,000	265,000	64,000	916,000	236,000	280,000	4,832,000
Non-S&E precollege teachers	4,268,000	405,000	67,000	22,000	11,000	289,000	14,000	158,000	3,705,000

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Non-S&E postsecondary teachers	610,000	78,000	S	4,000	5,000	61,000	2,000	30,000	501,000
Social services and related occupations	2,189,000	605,000	29,000	S	9,000	541,000	7,000	119,000	1,465,000
Sales and marketing occupations	4,646,000	996,000	131,000	87,000	41,000	602,000	134,000	233,000	3,416,000
Art, humanities, and related occupations	1,576,000	183,000	S	9,000	S	123,000	8,000	39,000	1,354,000
Other non-S&E occupations	9,418,000	2,332,000	404,000	234,000	99,000	1,309,000	285,000	560,000	6,526,000

* = suppressed when population estimate < 500. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&E = science and engineering.

Note(s):

Numbers are rounded to the nearest 1,000. Detail may not add to total because of rounding.

Source(s):

National Center for Science and Engineering Statistics, National Survey of College Graduates: 2019.